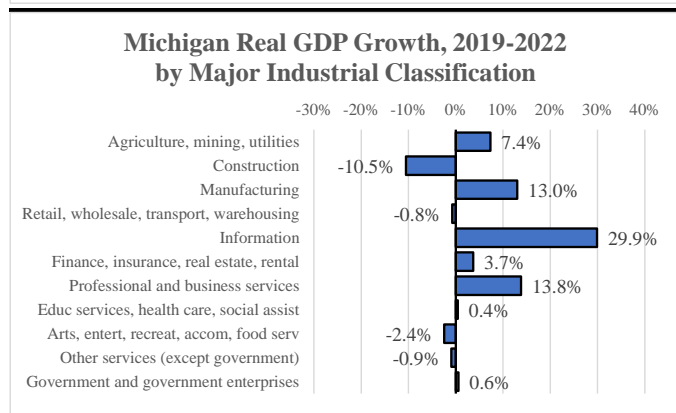
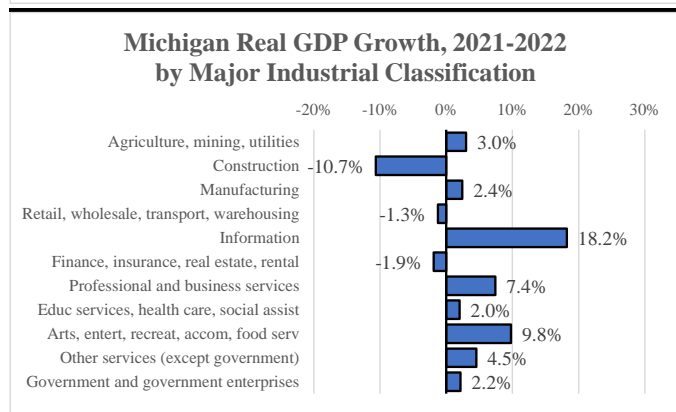
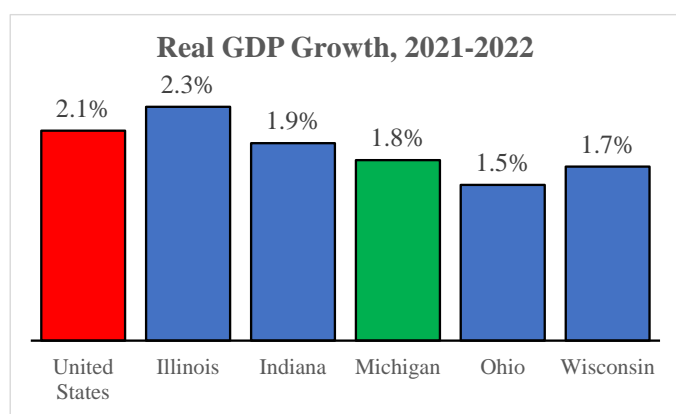




## Calendar Year 2022 Gross Domestic Product Data Release

On March 31, 2023, the Bureau of Economic Analysis released calendar year 2022 state gross domestic product data. Below are highlights from that data release:



### Total Real Gross Domestic Product

- Between 2021 and 2022, total Michigan real (inflation-adjusted) gross domestic product rose 1.8 percent and total U.S. real GDP increased 2.1 percent.
- Between 2021 and 2022, total Michigan real GDP growth ranked third among Great Lakes states behind Illinois and Indiana; and ranked 25<sup>th</sup> nationwide.
- Between 2019 and 2022, total Michigan real GDP grew 5.0 percent – ranking 21<sup>st</sup> among all states.

### Real GDP Growth by Industry, 2021-2022

- In 2022, in Michigan, the information industry group saw the largest real GDP growth (18.2 percent) followed by arts, entertainment, recreation, accomodations and food services (9.8 percent).
- Three major industry groups reported declining real GDP in Michigan: construction (-10.7 percent); finance, insurance, real estate and rental industry (-1.9 percent); and retail, wholesale, transportation and warehousing (-1.3 percent).

### Real GDP Growth by Industry, 2019-2022

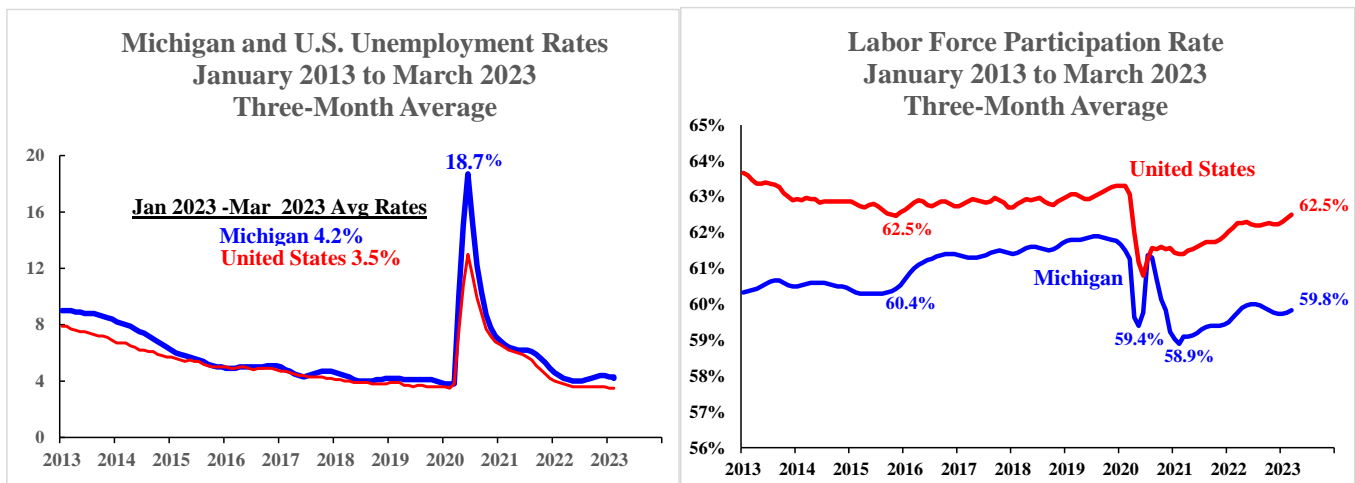
- Between 2019 and 2022 in Michigan, the information industry group saw the largest three-year real GDP gain (29.9 percent), followed by professional and business services (13.8 percent) and manufacturing (13.0 percent).
- Between 2019 and 2022, four major industry groups in Michigan reported three-year net declines. The construction industry reported the largest three-year decline (-10.5 percent).

# March 2023 Summary

## Unemployment Rate Estimates

Page 2

- The monthly Michigan unemployment rate estimate fell to 4.1 percent in March. The three-month average of the Michigan unemployment rate was 4.2 percent for March. Compared to last March, the three-month average was unchanged. Compared to the pre-pandemic February 2020 rate, the current average is up 0.4 of a percentage point.
- The average number of people employed in Michigan between January 2023-March 2023 was 115,100 lower than the number employed in February 2020. Compared to the three-month average of people employed between January 2022-March 2022, the current three-month average is up 16,000 people. The January 2023-March 2023 average of people unemployed is 17,900 people higher than the number of unemployed in February 2020.
- The U.S. unemployment rate fell to 3.5 percent in March. March's national jobless is 0.1 of a percentage point lower than the March 2022 rate (3.6 percent) and equals the February 2020 rate (3.5 percent).
- Both the Michigan and U.S. labor force participation rates remain significantly lower than their pre-pandemic participation rates.



### Employment by Place of Residence (in Thousands)<sup>(a)</sup>

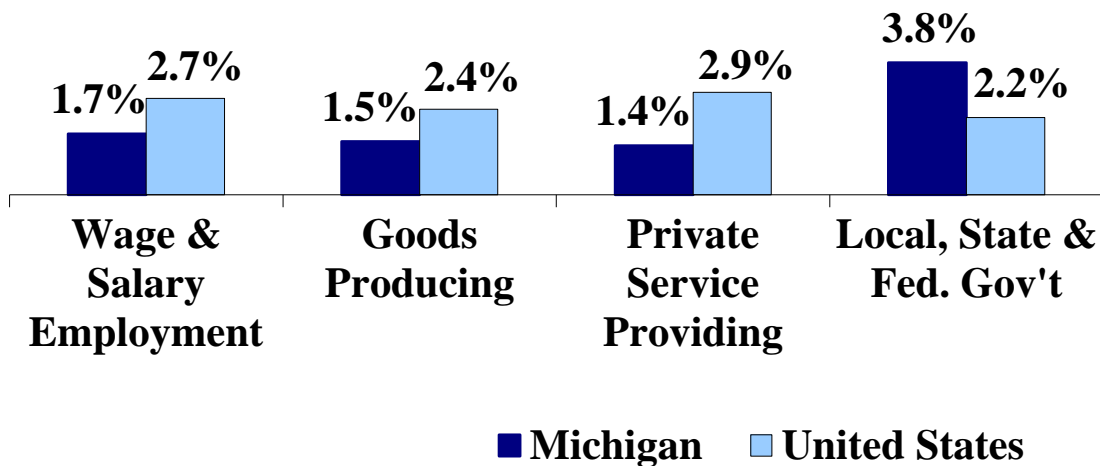
	Annual	Jan	Feb	Mar	Chg Fr	Chg Fr	Chg Fr	Chg Fr	Three
	2022	2023	2023	2023	Mo Ago	Mo Ago	Yr Ago	Yr Ago	Month
					Level	%	Level	%	Average
<b>Michigan</b>									
Labor Force	4,836	4,836	4,842	4,852	10	0.2%	16	0.3%	4,843
Employed	4,633	4,627	4,635	4,652	17	0.4%	12	0.3%	4,638
Unemployed	203	209	207	200	-7	-3.4%	4	2.0%	205
Unemployment Rate	4.2%	4.3%	4.3%	4.1%	n.a.	-0.2% pts	n.a.	0.0% pts	4.2%
<b>United States</b>									
Labor Force	164,287	165,832	166,251	166,731	480	0.3%	2,430	1.5%	166,271
Employed	164,287	160,138	160,315	160,892	577	0.4%	2,564	1.6%	160,448
Unemployed	5,996	5,694	5,936	5,839	-97	-1.6%	-133	-2.2%	5,823
Unemployment Rate	3.6%	3.4%	3.6%	3.5%	n.a.	-0.1% pts	n.a.	-0.1% pts	3.5%

## Employment by Place of Work (Payroll)

Page 3

- Compared to March 2022, Michigan payroll employment was up by 75,100 jobs (1.7 percent). State payroll employment rose by 1,900 jobs in March 2023 from February 2023. Nationally, March 2023 payroll employment was up by 4.1 million jobs (2.7 percent) from a year ago. National employment rose 236,000 jobs in March.

## Payroll Employment Growth



- In the goods-producing sector, Michigan payroll employment increased 1.5 percent in March from a year ago; employment in the private service-providing sector rose 1.4 percent. From a year ago, March national payroll employment rose 2.4 percent in the goods-producing sector and increased 2.9 percent in the private service-providing sector.
- At 42.1 hours, manufacturing weekly hours in Michigan were down 1.1 hours from last year.

### Wage and Salary (Payroll) Employment (in thousands)<sup>(b)</sup>

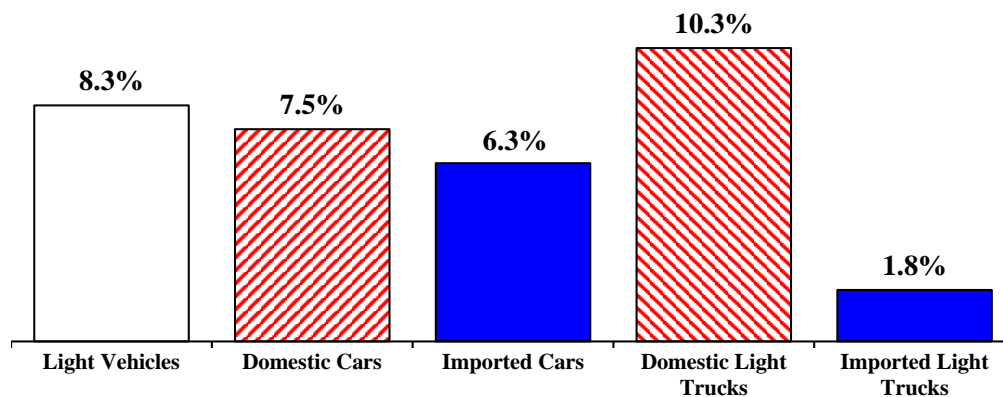
	2022 <u>Annual</u>	MI Mar <u>2022</u>	MI Mar <u>2023</u>	Percent <u>Change</u>	2022 <u>Annual</u>	US Mar <u>2022</u>	US Mar <u>2023</u>	Percent <u>Change</u>
Wage & Salary Employment	4,362.2	4,341.2	4,416.3	1.7%	152,575	151,424	155,569	2.7%
Goods Producing	794.3	792.8	804.8	1.5%	21,178	20,997	21,506	2.4%
Manufacturing	603.2	603.5	607.7	0.7%	12,825	12,716	12,983	2.1%
Private Service Providing	2,978.2	2,967.2	3,008.5	1.4%	109,226	108,354	111,506	2.9%
Trade, Trans. & Utilities	804.0	805.4	810.8	0.7%	28,643	28,600	28,863	0.9%
Services	1,885.8	1,872.6	1,912.7	2.1%	68,465	67,739	70,452	4.0%
Local, State & Fed. Gov't	589.8	581.2	603.0	3.8%	22,171	22,073	22,557	2.2%
Manufacturing Weekly Hours	41.8	43.2	42.1	-1.1 hrs	41.0	41.5	40.7	-0.8 hrs

## Motor Vehicle Sales Up From Last Year

Page 4

- The U.S. light vehicle sales rate fell to 14.8 million units between February and March. However, compared to a year ago, March 2023 sales were up 9.5 percent.
- U.S. sales of domestic light vehicles rose 10.2 percent from last March while foreign sales increased 6.6 percent. In March 2023, at 20.3 percent, the foreign share of U.S. light vehicle sales was down 0.5 of a percentage point from a year earlier.
- Auto sales were up 9.4 percent from last March, while light truck sales increased 9.5 percent from March 2022. Year-over-year, heavy truck sales were up 7.6 percent from last March.
- Motor vehicle and parts dealer inventories were up 21.1 percent from last February.

### Year-to-Date Vehicle Sales Up From A Year Ago



### Motor Vehicle Sales Statistics

(Millions, Seasonally Adjusted Rates, unless otherwise specified)

	<u>2022</u> <u>Total</u>	<u>Jan</u> <u>2023</u>	<u>Feb</u> <u>2023</u>	<u>Mar</u> <u>2023</u>	<u>3 Month</u> <u>Average</u>	<u>Mar</u> <u>Chg fr</u> <u>Yr Ago</u> <u>Level</u>	<u>Mar</u> <u>Chg fr</u> <u>Yr Ago</u> <u>%</u>
Autos	3.4	3.2	3.0	3.0	3.1	0.3	9.4%
Domestics	2.4	2.3	2.2	2.2	2.2	0.2	9.2%
Imports	1.0	0.9	0.8	0.8	0.9	0.1	10.1%
Import Share	29.1%	29.5%	27.6%	25.9%	27.7%	0.1% pts	
Light Trucks	11.6	12.8	12.0	11.8	12.2	1.0	9.5%
Domestics	9.0	10.3	9.8	9.6	9.9	0.9	10.4%
Imports	2.6	2.5	2.2	2.2	2.3	0.1	5.5%
Import Share	22.3%	19.4%	18.7%	18.9%	19.0%	-0.7% pts	
Total Light Vehicles	14.9	16.0	15.0	14.8	15.3	1.3	9.5%
Heavy Trucks	0.5	0.5	0.5	0.5	0.5	0.0	7.6%
Total Vehicles	15.4	16.6	15.5	15.3	15.8	1.3	9.4%

### Retail Inventories, Motor Vehicle and Parts Dealers (billions of dollars) <sup>(d)</sup>

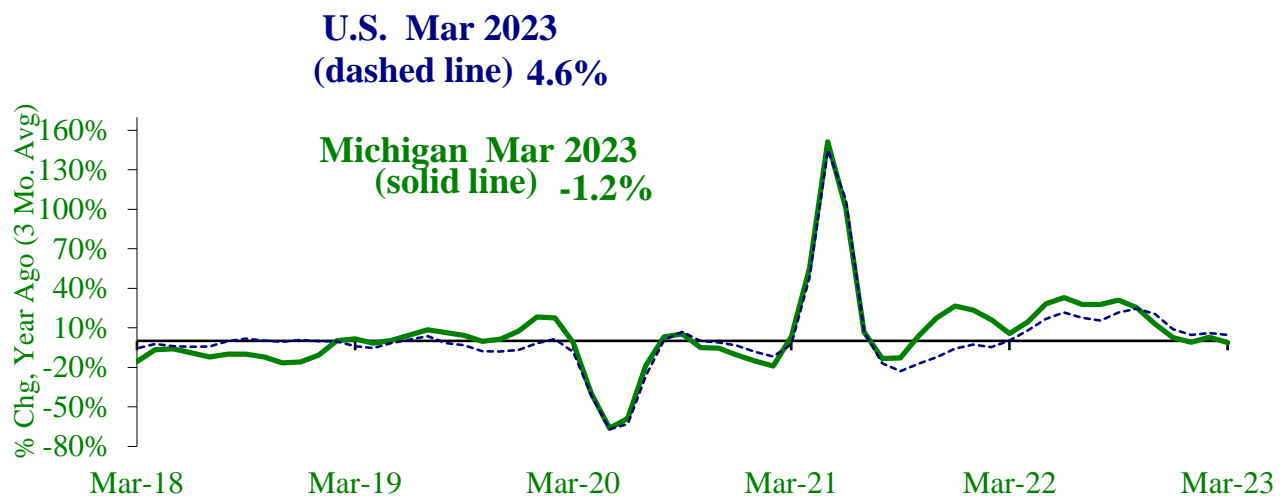
	<u>2022</u> <u>Average</u>	<u>Dec-22</u>	<u>Jan-23</u>	<u>Feb-23</u>	<u>3 Month</u> <u>Average</u>	<u>Chg fr</u> <u>Year Ago</u> <u>Level</u>	<u>Chg fr</u> <u>Year Ago</u> <u>%</u>
Inventories	\$181.4	\$199.5	\$200.2	\$203.5	\$201.1	\$35.4	21.1%
Inventory/Sales Ratio	1.42	1.61	1.51	1.55	1.56	0.26	

# Michigan Vehicle Production Down from Year Ago

Page 5

- Michigan vehicle production was down 9.4 percent from March 2022 while national vehicle production was down 1.3 percent from last March. In March 2023, Michigan vehicle production totaled 188,275 units.
- In March 2023, auto production rose 26.0 percent year-over-year (y-o-y) in Michigan and was down 0.3 percent nationally; truck production decreased 12.2 percent in Michigan and was down 1.5 percent nationally.
- Comparing the three-month average of vehicle production in January 2022-March 2023 to production in January 2022-March 2022, Michigan's average production was down 1.2 percent while average production increased 4.6 percent nationally.

## Three-Month Average of Michigan Vehicle Production Down Slightly from Year Ago in March



## Motor Vehicle Production Statistics

(Thousands, unless otherwise specified)

	2021 Monthly Average	Jan 2023	Feb 2023	Mar 2023	3 Month Average	Mar Level Chg fr Yr Ago	Mar % Chg fr Yr Ago
<b>U.S. Production <sup>(e)</sup></b>							
Autos	136.6	138.3	158.7	167.8	154.9	(0.6)	-0.3%
Trucks	619.2	660.8	677.6	793.6	710.7	(11.9)	-1.5%
Total	755.8	799.1	836.4	961.3	865.6	(12.5)	-1.3%
<b>Michigan Production <sup>(f)</sup></b>							
Autos	11.4	15.0	15.5	19.4	16.6	4.0	26.0%
Trucks	143.4	149.3	154.5	168.8	157.6	(23.4)	-12.2%
Total	154.8	164.3	170.0	188.3	174.2	(19.4)	-9.4%
Michigan as % of U.S.	20.5%	20.6%	20.3%	19.6%	20.1%	-1.7% pts	

# U.S. Economic Conditions

Page 6

	<u>Dec-22</u>	<u>Jan-23</u>	<u>Feb-23</u>	<u>Mar-23</u>	<u>Change from Year Ago</u>
<b>KEY ECONOMIC INDICATORS</b>					
Consumer Sentiment <sup>(h)</sup>	59.7	64.9	67.0	62.0	2.6 points
ISM Manufacturing Index <sup>(i)</sup>	48.4	47.4	47.7	46.3	-10.7 points
ISM Non Manufacturing Index <sup>(i)</sup>	49.2	55.2	55.1	51.2	-7.2 points
<b>INFLATION <sup>(k)</sup></b>					
<b>1982-84 = 100 (CPI)</b>	<u><b>Dec-22</b></u>	<u><b>Jan-23</b></u>	<u><b>Feb-23</b></u>	<u><b>Mar-23</b></u>	<u><b>Change from Year Ago</b></u>
<b>Nov 2009 = 100 (PPI)</b>					
U.S. Consumer Price Index	296.8	299.2	300.8	301.8	5.0%
Detroit CPI	271.6	NA	276.7	NA	8.2%
U.S. Producer Price Index	140.0	141.0	141.2	141.1	2.7%
<b>INTEREST RATES</b>					
90 Day T-Bill <sup>(l)</sup>	4.25%	4.54%	4.65%	4.69%	4.25% points
10 Year Treasury Securities <sup>(l)</sup>	3.62%	3.53%	3.75%	3.66%	1.53% points
<b>INDUSTRIAL PRODUCTION <sup>(l)</sup></b>	101.5	102.4	102.6	103.0	0.5%
<b>CAPACITY UTILIZATION <sup>(l)</sup></b>	78.9%	79.5%	79.6%	79.8%	-0.7% points
<b>RETAIL SALES <sup>(d)</sup></b>	\$678.8	\$700.1	\$698.6	\$691.7	2.9%
<b>HOUSING STARTS and SALES</b>					
(Millions Annual Rate)	<u><b>Dec-22</b></u>	<u><b>Jan-23</b></u>	<u><b>Feb-23</b></u>	<u><b>Mar-23</b></u>	<u><b>% Change From Year Ago</b></u>
Housing Starts <sup>(d)</sup>	1.348	1.334	1.432	1.420	-17.2%
Existing Home Sales <sup>(m)</sup>	4.030	4.000	4.550	4.440	-22.0%
<b>DURABLE GOODS ORDERS <sup>(d)</sup></b>	\$285.2	\$271.1	\$267.8	\$276.4	4.6%
<b>PERSONAL INCOME <sup>(c)</sup></b>					
(Billions, Seasonally Adj & Annualized)	<u><b>2022.2</b></u>	<u><b>2022.3</b></u>	<u><b>2022.4</b></u>	<u><b>2022.4</b></u>	<u><b>% Change From Year Ago</b></u>
Michigan	\$566.8	\$573.7	\$579.5	\$579.5	4.8%
U.S.	\$21,575.4	\$21,964.6	\$22,361.4	\$22,361.4	5.7%
<b>GROSS DOMESTIC PRODUCT <sup>(c)</sup></b>					
(Billions of Chained 2012	<u><b>2022.2</b></u>	<u><b>2022.3</b></u>	<u><b>2022.4</b></u>	<u><b>2023.1</b></u>	<u><b>Annualized % Chg From Last Qtr</b></u>
Dollars, Seasonally Adj & Annualized)	\$19,895.3	\$20,054.7	\$20,182.5	\$20,235.9	1.1%

- (a) Seasonally adjusted. Sources: Bureau of Labor Statistics, U.S. Department of Labor and Michigan Department of Technology, Management and Budget.
- (b) Bureau of Labor Statistics, U.S. Department of Labor (BLS 790).
- (c) Bureau of Economic Analysis, U.S. Department of Commerce.
- (d) Bureau of the Census, U.S. Department of Commerce. Seasonally adjusted.
- (e) Automotive News.
- (f) Michigan Department of Treasury.
- (g) Michigan Department of Technology, Management and Budget.
- (h) University of Michigan Survey of Consumers.
- (i) Institute for Supply Management (ISM), formerly NAPM.
- (j) The Conference Board.
- (k) Bureau of Labor Statistics, U.S. Department of Labor.
- (l) Seasonally adjusted rates (except interest rates). Federal Reserve System Board of Governors. 2012 equals 100. Treasury bill rate (secondary market).
- (m) National Association of Realtors.